

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 1 of 9

Revision date: 17OCT2011

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

No-Toil Biodegradable Foam Filter Cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses:

Foam air filter cleaner

1.2.2 Uses advised against:

All others not listed above

1.3 Details of the supplier

1.3.1 Supplier:

No Toil Industries

1.3.2 E-Mail

-

1.3.3 U.S. Address

1327 Harter Rd.

Yuba City, Ca, 95993

1.3.4 Phone Number:

(530)671-4645

1.4 Emergency Telephone Number

Chemtrec: 1-800-424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Class 13: Non-flammable solids in non-flammable package

2.1.2 Classification according to 67/548/EEC or 1999/45/EC

EU Hazard Classification: Xi: Irritant

EU Risk Phrases: R36/37/38, S2, S22, S24/25

2.1.3 Additional information:

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

Product identifier:

No-Toil Biodegradable Foam Filter Cleaner

Mixtures:

Hazard pictograms:



Signal word:

Warning!

Hazard statements:

H303, H315, H319, H335

Precautionary statements:

P264, P280, P305+P351+P338, P337+P313

Supplemental Hazard information (EU):

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 2 of 9

Revision date: 17OCT2011

2.3 Other hazards

Adverse physicochemical effects:

Adverse human health effects and symptoms:

Symptoms of overexposure

Eye contact: May cause eye irritation. No significant adverse effects expected.

Skin contact: May cause skin irritation seen as redness and swelling. In the presence of moisture or sweat, may cause more severe irritation, including burns, following prolonged contact.

Ingestion: May cause burns of the mouth, throat, Esophagus and Diarrhea if large quantities are ingested.

Inhalation: May be irritating to the nose, throat, and respiratory tract.

Adverse environmental effects:

Other adverse hazards:

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	INDEX No	REACH No	% [weight]	Name	Classification according to 67/548/EEC
497-19-8	207-838-8	011-005-00-2		97-99	Sodium Carbonate	Xi, R36, S2, S22, S26
Proprietary				1-3	Balancing Agent	

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

4.1.2 Eye contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.3 Inhalation:

Move to fresh air. If not breathing administer CPR. If symptoms persist, call a physician.

4.1.4 Skin contact:

Wash off with soap and water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

4.1.5 Ingestion:

Do not induce vomiting. If conscious, give 2 glasses of water or milk. Call a physician or Poison Control Center immediately.

4.1.6 Self-protection of the first aider:

4.1.7 Notes for the doctor:

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 3 of 9

Revision date: 17OCT2011

Section 5: Firefighting measures

- 5.1 Extinguishing media:
 - 5.1.1 Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 - 5.1.2 Unsuitable extinguishing media:
None
- 5.2 Special hazards arising from the substance or mixture
 - 5.2.1 Hazardous combustion products:
Non-combustible
- 5.3 Advice for fire-fighters:
No special precautions required. Recommend SCBA and full protective clothing. Dike area to prevent runoff.
- 5.4 Additional information:

Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - 6.1.1 For non-emergency personnel
Protective equipment:
Chemical resistant gloves
Emergency procedures:
Avoid dust formation.
 - 6.1.2 For emergency responders
Personal protective equipment:
Chemical resistant gloves, safety goggles, and in dusting conditions, use a NIOSH/MSHA approved dust mask.
- 6.2 Environmental precautions:
Do not flush into surface water or sanitary sewer system. Prevent any mixture with an acid into the sewer/drain.
- 6.3 Methods and material for containment and cleaning up
 - 6.3.1 For containment:
Sweep up and shovel into suitable containers for disposal.
 - 6.3.2 For cleaning up:
Keep in properly labeled containers. Keep in suitable, closed containers for disposal.
- 6.4 Additional information:

Section 7: Handling and storage

- 7.1 Precautions for safe handling
 - 7.1.1 Protective measures:
Ensure adequate ventilation. Keep away from incompatible products.
 - 7.1.2 Advice on general occupational hygiene
Ensure that eyewash stations and safety showers are close to the workstation location. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 4 of 9

Revision date: 17OCT2011

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in original container. Keep in a dry place. Keep in properly labeled containers. Keep container closed.
Keep away from incompatible products.

Packaging materials:

Polyethylene

Woven plastic material + PE

Storage class:

Class 13: Non-flammable solids in non-flammable package

7.3 Specific end uses:

7.3.1 Recommendations:

Foam air filter cleaner

7.3.2 Industrial sector specific solutions:

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
PEL(US OSHA) TWA (US OSHA) PEL (US MSHA)	Sodium Carbonate	207-838-8	497-19-8	15 mg/m3 5 mg/m3 10 mg/m3	Total dust Resp fraction Total dust

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

Wear safety goggles.

8.2.2.2 Skin protection:

Wear a dust impervious protective suit, rubber or plastic boots, rubber or plastic apron, and suitable gloves (suitable material: Neoprene, or Natural rubber).

8.2.2.3 Respiratory protection:

Effective dust mask. Recommended Filter type: P2

8.2.2.4 Thermal hazards:

8.2.3 Environmental exposure controls:

Dispose of rinse water in accordance with local and national regulations.

8.2.4 Consumer exposure control

8.2.4.1 Measures related to consumer uses of the substance (as such or in mixtures):

8.2.4.2 Measures related to the service life of the substance in articles:

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 5 of 9

Revision date: 17OCT2011

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: **Solid** Color: **White, Granular** Odor: **Odorless** Odor threshold:

9.1.2 Safety relevant basic data

pH (20 °C): **11.3 (1% Aqueous Solution); 11.6 (10% Aqueous Solution)**

Melting point/range(°C): **851**

Initial boiling point/range (°C): **No Data**

Decomposition temperature (°C): **400**

Flash point (°C): **No Data**

Ignition temperature (°C): **No Data**

Vapor pressure (hPa) at °C: **No Data**

Vapor density (air = 1): **No Data**

Density (g/cm³) at 20 °C: **>=2.52, <= 2.53**

Bulk density (kg/m³): **768.06-1040.08**

Water solubility (20°C in g/l): **7G/100G water**

Solubility(ies): **No Data**

Partition coefficient: **No Data**

N-Octanol/Water (log Po/w): **No Data**

Viscosity, dynamic (mPa s): **No Data**

9.1.3 Physical hazards:

Eye, skin, and respiratory irritant

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: **No Data**

Dusts: **No Data**

Physical chemical properties of nanoparticles: **No Data**

Limiting oxygen concentration: **No Data**

Bulk density: **48-65 LBS/ft³**

Solubility in different media: **No Data**

Stability in organic solvents and identity of relevant degradation products: **No Data**

Evaporation rate: **No Data**

Conductivity: **No Data**

Surface tension: **No Data**

Dissociation constant in water (pKa): **No Data**

Oxidation-reduction Potential: **No Data**

Fat solubility (solvent – oil to be specified): **No Data**

Critical temperature: **No Data**

Section 10: Stability and reactivity

10.1 Reactivity:

Decomposes by reaction with strong acids.

10.2 Chemical stability:

Stable under recommended storage conditions.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 6 of 9

Revision date: 17OCT2011

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid:

Exposure to moisture.

10.5 Incompatible materials:

Finely divided aluminum, reacts with strong acids. Can react violently with Al, P₂O₅, H₂SO₄, F₂, Li and 2,4,6-Trinitrotoluene. Upon contact with reducing sugars, may react to form carbon monoxide gas.

10.6 Hazardous decomposition products:

None

Section 11: Toxicological Information

11.1 Information on toxicological effects:

	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	4090 mg/kg	Rat	LD50	
Acute dermal toxicity	>2000 mg/kg	Rabbit	LD50	
Acute inhalative toxicity (mist)	2300 mg/m ³ air	Rat	LC50	2 hours

11.2 Other information:

11.2.1 Assessment/classification

11.2.2 Routes of exposure:

11.2.3 In case of ingestion:

May cause burns of the mouth, throat, esophagus and diarrhea if large quantities are ingested.

11.2.3 In case of skin contact:

May cause skin irritation seen as redness and swelling. In the presence of moisture or sweat, may cause more severe irritation, including burns, following prolonged contact.

11.2.4 In case of inhalation:

May be irritating to the nose, throat, and respiratory tract.

11.2.5 In case of eye contact:

May cause eye irritation. No significant adverse effects expected.

Section 12: Ecological information

12.1 Toxicity:

Aquatic toxicity

12.1.1 Substances

Acute (short-term) toxicity

Effect dose	Exposure time	Species	Method	Evaluation	Remark
300 mg/L	96 Hours	Lepomis macrochirus	LC50	Mortality	
200 227 mg/L	48 Hours	Ceriodaphnia sp.	EC50	Mobility	

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 7 of 9

Revision date: 17OCT2011

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/package disposal:

Contact waste disposal services. If recycling is not practicable, dispose of in compliance with local regulations. Dilute with plenty of water. Neutralize with acid.

Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

13.1.2 Waste codes/waste designations according to EWC/AVV:

20 01 30

13.1.3 Waste treatment options:

13.1.4 Other disposal recommendations:

Dispose of in accordance with local, State, and National regulations.

13.2 Additional information:

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

This product is not regulated as a hazardous material by DOT standards.

UN-No:

Proper shipping name:

Class(es):

Packing group:

Hazard label(s)

Special provision(s):

14.2 Land Transport (Canada TDG)

This product is not regulated as a hazardous material by TDG standards.

UN-No:

Proper shipping name:

Class(es)

Packing group:

Hazard label(s)

Special provision(s)

14.3 Land transport (ADR/RID/GGVSEB):

This product is not regulated as a hazardous material by ADR standards.

UN-No:

Proper shipping name:

Class(es):

Classification Code:

Packing group:

Hazard label(s):

Special provision(s):

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 8 of 9

Revision date: 17OCT2011

14.4 Sea transport (IMDG-Code/GGVSee):

This product is not regulated as a hazardous material by IMO standards.

UN No:

Proper shipping name:

Class(es):

Packing group:

Marine Pollutant:

Special provision(s):

14.5 Air transport (ICAO-IATA/DGR):

This product is not regulated as a hazardous material by IATA standards.

UN No:

Proper shipping name:

Class(es):

Packing group:

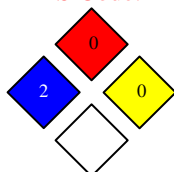
Special provision(s):

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

15.1.1 National regulations(United States):

HMIS Code:



NFPA Code

Health	2
Flammability	0
Physical Hazard	0
	X

TSCA: All components are on the SU TSCA Inventory.

15.1.2 National regulations(EU):

EU Hazard Classification: Xi: Irritant

EU R-Statements: R36/37/38

EU S-Statements: S2, S22, S24/25

WGK (Water Danger/Protection)

Water Hazard Class: 1

15.1.3 National regulations(Canada):

This product has a WHMIS classification of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products

Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List: All components are listed on the Canadian Ingredient Disclosure list.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Cleaner

Product. No: NT-03/NT-20

Print date: 17OCT2011

Specification No:

Page 9 of 9

Revision date: 17OCT2011

Section 16: Other Information

16.1 Relevant R-, H- and EUH-phrases (number and full text):

R36: Irritating to eyes

R36/37/38: Irritating to eyes, respiratory system and skin

S2: Keep out of the reach of children

S22: Do not breathe dust

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25: Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

H303: May be harmful if swallowed

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+P313: Get medical advice/attention

16.2 Further information:

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for the purpose of hazard communication. It is not intended to constitute performance information concerning the product. No Express warranty, or implied warranty of merchantability or fitness for a particular purpose is made to the product or the information contained herein.

NO TOIL

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 1 of 10

Revision date: 24OCT2011

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

No-Toil Biodegradable Foam Filter Oil Aerosol

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses:

Foam Filter Oil

1.2.2 Uses advised against:

All others not listed above

1.3 Details of the supplier

1.3.1 Supplier:

No-Toil Industries

1.3.2 U.S. Address

1327 Harter Rd.

Yuba City, CA 95993

1.3.3 U.S. Telephone Number

(530)671-4645

1.4 Emergency Telephone Number

CHEMTREC 800-424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to 67/548/EEC or 1999/45/EC

Xi: Irritant

F: Highly flammable

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

Product identifier:

No-Toil Biodegradable Foam Filter Oil Aerosol

Hazard pictograms:



Flammable



Irritant

Signal word:

WARNING!

Hazard statements:

H221: Flammable gas

H280: Contains gas under pressure; may explode if heated

H315: Causes skin irritation

H320: Causes eye irritation

H332: Harmful if inhaled

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 2 of 10

Revision date: 24OCT2011

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of the reach of children

P103: Read label before use

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P251: Pressurized container – Do not pierce or burn, even after use

P260: Do not breathe spray

P270: Do not eat, drink or smoke when using this product

2.3 Other hazards

Adverse physicochemical effects:

Adverse human health effects and symptoms:

Keep out of reach of children. Avoid getting in eyes. Use only as directed. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

Eye Contact: Exposure can cause eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Skin Contact: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns. Pre-existing skin disorders may be aggravated by exposure to this material. Skin absorption possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Inhalation: Contains asphyxiant gases. Intentional inhalation of gases may cause headache, fatigue, weakness, mental confusion, mood disturbances, and decreased coordination and judgment. Severe overexposure may produce more serious symptoms, including coma and death.

Ingestion: Single dose oral toxicity is low, swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms may include:

Gastrointestinal irritation (Nausea, Vomiting, Diarrhea)

Impaired coordination

Central nervous system depression

Respiratory depression

Low blood pressure

Effects on heart rate

Mild, reversible liver effects

Pulmonary edema

Adverse environmental effects:

Other adverse hazards:

Warning: Flammable, contents under pressure. Container may burst if heated. Do not place in hot water, or near radiators, stoves, or other sources of heat. Do not puncture or incinerate, or store above 49C (120F).

Do not use in presence of open flame or spark or other sources of ignition.

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	INDEX No	REACH No	% [weight]	Name	Classification according to 67/548/EEC
67-63-0	200-661-7			<=20	Isopropanol	F, Xi; R11, R36, R67; S2, S7, S16, S24/25, S26
61788-89-4	500-148-0			<=58	Carboxylic Acid	
68476-86-8	270-705-8			<=20	Liquified Petroleum Gas	F+; R12; S2,S16,S33,S9

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 3 of 10

Revision date: 24OCT2011

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 Eye contact:

If symptoms develop, move individual away from exposure and into fresh air, flushing eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

4.1.2 Inhalation:

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

4.1.3 Skin contact:

Remove contaminated clothing; wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

4.1.4 Ingestion:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on the left side with the head down. If individual is conscious and alert, induce vomiting by giving syrup or ipecac or by gently placing two fingers at the back of the throat. If possible, do not leave individual unattended.

Section 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Alcohol Foam, CO₂, Dry Chemicals

5.1.2 Unsuitable extinguishing media:

Water may not be effective for fighting fires.

5.2 Special hazards arising from the substance or mixture

5.2.1 Hazardous combustion products:

May form toxic materials; carbon dioxide and carbon monoxide.

5.3 Advice for fire-fighters:

Wear self contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

5.4 Additional information:

Aerosols may burst at temperatures above 49°C (120°F). Contents under pressure. Cool uninvolved containers to prevent possible bursting. Floors may be slippery where materials are released.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment:

Rubber gloves

6.1.2 For emergency responders

Personal protective equipment:

Rubber gloves, boots, protective clothing, self contained breathing apparatus if necessary

6.2 Environmental precautions:

Prevent run-off to sewers, streams and other bodies of water.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 4 of 10

Revision date: 24OCT2011

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

Eliminate all ignition sources.

6.3.2 For cleaning up:

Absorb liquid with absorbent material.

Section 7: Handling and storage

7.1 Precautions for safe handling

Contents under pressure. Handle as to avoid puncturing container(s). When used as intended no additional protective equipment is necessary.

7.1.1 Protective measures:

7.1.1.1 Fire preventions:

Avoid temperatures above 49C (120F).

7.1.2 Advice on general occupational hygiene

Use Goggles if likely hood of eye contact. Wash unintentional residue with soap and water.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store aerosol containers in cool, dry, well ventilated areas away from heat and direct sunlight. Keep away from any incompatible material. Protect containers against physical damage. To avoid unintentional spraying keep protective cap in place when not in use.

Storage class:

2B. Pressurized gas packages (aerosol containers)

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
TWA (OSHA-US) TLV (ACGIH-US)	Petroleum Gases, Liquified, sweetened	270-750-8	68476-86-8	1000 ppm 1000 ppm	
TWA(AU) STEL(AU) TWA(ACGIH-US) STEL(ACGIH-US) TWA(NIOSH-US) STEL(NIOSH-US) TWA(NIOSH-US) STEL(NIOSH-US) TWA(UK) STEL(UK) TWA(UK) STEL(UK) TWA(OSHA-US) STEL(OSHA-US) TWA(OSHA-US) STEL(OSHA-US)	Isopropanol	200-661-7	67-63-0	983 mg/m3 1230 mg/m3 200 ppm 400 ppm 980 mg/m3 1225 mg/m3 400 ppm 500 ppm 400 ppm 500 ppm 999 mg/m3 1259 mg/m3 400 ppm 500 ppm 980 mg/m3 1225 mg/m3	

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 5 of 10

Revision date: 24OCT2011

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Provide adequate ventilation to maintain airborne levels below recommended exposure limits.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

Use appropriate PPE to prevent splashing into eyes (splash guard goggles).

8.2.2.2 Skin protection:

Gloves (vinyl, Nitrile, latex, etc.) should be used if there will be direct contact with product.

8.2.2.3 Respiratory protection:

If the exposure limit is exceeded and engineering controls are not feasible, a full face piece respirator with an ammonia/methylamine cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use full face piece positive-pressure, air supplied respirator.

Warning: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

:

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Liquid Color: Red Odor: Slight Alcohol odor Odor threshold:

9.1.2 Safety relevant basic data

pH (20 °C): No Data

Melting point/range(°C): No Data

Initial boiling point/range (°C): 82.22

Decomposition temperature (°C): No Data

Flash point (°C): 20

Ignition temperature (°C): No Data

Vapor pressure at 21.1 °C: 55-65 psi

Vapor density (air = 1): No Data

Density (g/cm³) at °C: No Data

Bulk density (kg/m³): No Data

Water solubility (20 °C in g/l): No Data

Solubility(ies): No Data

Partition coefficient: No Data

N-Octanol/Water (log Po/w): No Data

Viscosity, dynamic (mPa s): No Data

9.1.3 Physical hazards:

Flammable aerosols

Gases under pressure

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: No Data

Dusts: No Data

Physical chemical properties of nanoparticles: No Data

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 6 of 10

Revision date: 24OCT2011

Limiting oxygen concentration: No Data

Bulk density: No Data

Solubility in different media: No Data

Stability in organic solvents and identity of relevant degradation products: No Data

Evaporation rate: No Data

Conductivity: No Data

Surface tension: No Data

Dissociation constant in water (pKa): No Data

Oxidation-reduction Potential: No Data

Fat solubility (solvent – oil to be specified): No Data

Critical temperature: No Data

Section 10: Stability and reactivity

10.1 Reactivity:

Not reactive

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid:

Avoid high temperature above 49C (120F). Do not use with aluminum equipment.

10.5 Incompatible materials:

Strong oxidizing agents, acids, chlorine, acetaldehyde, ethylene oxide, isocyanates.

10.6 Hazardous decomposition products:

May form toxic materials; carbon dioxide and carbon monoxide.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

No-Toil biodegradable foam filter oil aerosol	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	3600 mg/kg	Mouse	LD50	
Acute dermal toxicity	12800 mg/kg	Rabbit	LD50	
Acute inhalative toxicity (gas)				
Acute inhalative toxicity (vapor)				
Acute inhalative toxicity (dust/mist)				

11.2 Other information:

11.2.1 Assessment/classification

Class 2B: Pressurized gas packages (aerosol containers)

11.2.2 Routes of exposure:

Absorbed through skin, dermal contact, eye contact, and inhalation.

11.2.3 Symptoms

11.2.3.1 In case of ingestion:

Contains asphyxiant gases. Intentional inhalation of gases may cause headache, fatigue, weakness, mental confusion, mood disturbances, and decreased coordination and judgment. Severe overexposure may produce more serious symptoms, including coma and death.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 7 of 10

Revision date: 24OCT2011

11.2.3.2 In case of skin contact:

Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns. Pre-existing skin disorders may be aggravated by exposure to this material. Skin absorption possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

11.2.3.3 In case of inhalation:

Single dose oral toxicity is low, swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms may include:

Gastrointestinal Irritation (Nausea, Vomiting, Diarrhea)

Impaired Coordination

Central Nervous System depression

Respiratory depression

Low blood pressure

Effects on heart rate

Mild, reversible liver effects

Pulmonary edema

11.2.3.4 In case of eye contact:

Exposure can cause eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Section 12: Ecological information

12.1 Toxicity:

Aquatic toxicity

When spilled this product may act as an oil, causing a film, sheen, emulsion, or sludge at or beneath the surface of a body of water.

12.1.1 Substances

Acute (short-term) toxicity

Effect dose	Exposure time	Species	Method	Evaluation	Remark
100000 mg/L	96 hours	Fathead minnow	LC50		
			EC50		
			IC50		

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/package disposal:

Empty containers retain product residue; observe all precautions for this product. Do not heat or cut empty container with electric or gas torch because toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

13.1.2 Waste codes/waste designations according to EWC/AVV:

16 05 05

13.1.3 Other disposal recommendations:

Dispose of in a manner consistent with Federal, State, and Local regulations.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 8 of 10

Revision date: 24OCT2011

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

ORM-D

Consumer Commodity

UN-No: UN1950

Proper shipping name: Aerosols, flammable, (each not exceeding 1L capacity)

Class (es): 2.1

Packing group:

Hazard label(s): 2.1

Special provision(s): N82, 306

14.2 Land transport (ADR/RID/GGVSEB):

UN-No: UN1950

Proper shipping name: Aerosols, flammable

Class(es): 2

Classification Code: 5F

Packing group:

Hazard label(s): 2.1

Special provision(s): 190, 327, 344, 625

14.3 Sea transport (IMDG-Code/GGVSee):

UN No: UN1950

Proper shipping name: Aerosols, flammable

Class (es): 2.1

Packing group:

Marine Pollutant: No

Special provision(s): 63, 190, 277, 327, 344, 959

14.4 Air transport (ICAO-IATA/DGR):

UN No: UN1950

Proper shipping name: Aerosols, flammable

Class(es): 2.1

Packing group:

Special provision(s): A145, A167

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:

Page 9 of 10

Revision date: 24OCT2011

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

15.1.1 National regulations(United States):

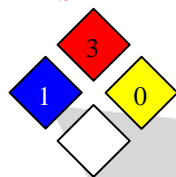
OSHA

Hazardous by definition of hazard communication standard (29 CFR 1920.1200)

NFPA 30B:

Level 1 Aerosol

HMIS



15.1.2 National regulations(Canada):

WHMIS:

Class B2: Flammable liquid with flashpoint lower than 37.8 C

Class D-2B: Material causing other toxic effects

15.1.3 National regulations(EU):

EU Classification: Xi: Irritant; F: Highly flammable

EU Risk Statements: R11, R20/22, R36/38

EU Safety Statements: S2, S3/7, S13, S15, S16, S20/21, S23, S24/25

Section 16: Other Information

16.1 Relevant R-, H- and EUH-phrases (number and full text):

R11: Highly flammable

R12: Extremely flammable

R20/22: Harmful by inhalation and if swallowed

R36/38: Irritating to eyes and skin

R36: Irritating to eyes

R67: Vapors may cause drowsiness and dizziness

S2: Keep out of the reach of children

S3/7: Keep container tightly closed in a cool place

S7: Keep container tightly closed

S9: Keep container in a well-ventilated place

S13: Keep away from food, drink and animal feeding stuffs

S15: Keep away from heat

S16: Keep away from sources of ignition – No smoking

S20/21: When using do not eat, drink or smoke.

S23: Do not breathe spray

S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S33: Take precautionary measures against static discharges

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: No-Toil Biodegradable Foam Filter Oil Aerosol

Product. No: NT-202

Print date: 24OCT2011

Specification No:
24OCT2011

Page 10 of 10

Revision date:

16.2 Further information:

This information has been compiled from sources considered to be dependable and is accurate to the best of No-Toil Industries knowledge. No-Toil makes no warranty whatsoever regarding the accuracy of such data or the results to be obtained from the use thereof.

